

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled): A method of disinfecting water comprising irradiating the water with ultraviolet light and introducing silver ions to the water.
2. (canceled): The method of disinfecting water of Claim 1 wherein the water is treated by initially irradiating the water with ultraviolet light followed by introducing silver ions to the water.
3. (canceled): The method of disinfecting water of Claim 1 wherein the water is treated by introducing silver ions to the water and thereafter exposing the silver ion containing water to ultraviolet light.
4. (canceled): The method of disinfecting water of Claim 2 wherein the ultraviolet light has a fluence of about 1 mJ/cm² to about 200 mJ/cm².
5. (canceled): The method of disinfecting water of Claim 3 wherein the ultraviolet light has a fluence of about 1 mJ/cm² to about 200 mJ/cm².
6. (canceled): The method of disinfecting water of Claim 2 wherein the ultraviolet light has a wavelength of about 200 nanometers to about 300 nanometers.
- ²7. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein the ultraviolet light has a wavelength of about 200 nanometers to about 300 nanometers.

8. (canceled): The method of disinfecting water of Claim 2 wherein the ultraviolet light has a wavelength of about 254 nanometers.

³
9. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein the ultraviolet light has a wavelength of about 254 nanometers.

10. (canceled): The method of disinfecting water of Claim 2 wherein ultraviolet light is provided by a low pressure mercury lamp.

11. (canceled): The method of disinfecting water of Claim 2 wherein ultraviolet light is provided by a medium pressure mercury lamp.

12. (canceled): The method of disinfecting water of Claim 3 wherein ultraviolet light is provided by a low pressure mercury lamp.

13. (canceled): The method of disinfecting water of Claim 3 wherein ultraviolet light is provided by a medium pressure mercury lamp.

14. (canceled): The method of disinfecting water of Claim 2 wherein silver ions are present as silver nitrate.

⁴
~~15~~. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein silver ions are present as silver nitrate.

16. (canceled): The method of disinfecting water of Claim 2 wherein silver ions is are left to remain in the treated water.

⁵
~~17~~. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein silver ions are left to remain in the treated water.

18. (canceled): The method of disinfecting water of Claim 2 wherein silver ions are removed from the treated water.

⁶
~~19~~. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein silver ions are removed from the treated water.

⁷
~~20~~. (currently amended): The method of disinfecting water of Claim 4 ¹~~22~~ wherein the water being treated is drinking water.

⁸
~~21~~. (currently amended): The method of disinfecting water of Claim 3 ¹~~22~~ wherein the water being treated is waste water.

¹
~~22~~. (new): A method for treating water to disinfect pathogens, including the inactivation of viruses, comprising introducing silver ions to the water and thereafter exposing the silver ion-containing water to ultraviolet light having a fluence of about 1 mJ/cm² to about 200 mJ/cm².

⁹
~~23~~. (new): The method of disinfecting water of Claim ¹~~22~~ wherein the concentration of silver ions in the water is about 0.001 mg/L to about 10.0 mg/L.

¹⁰
~~24~~. (new): The method of disinfecting water of Claim ¹~~22~~ wherein the concentration of silver ions in the water is about 0.01 mg/L to about 0.5 mg/L.

¹¹
~~25~~. (new): The method of disinfecting water of Claim ¹~~22~~ wherein the concentration of silver ions in the water is about 0.08 mg/L to about 0.1 mg/L.

¹²
~~26~~. (new): The method of disinfecting water of Claim ¹~~22~~ wherein the silver is introduced to the water using electrochemical generation .

¹³

~~27~~. (new): The method of disinfecting water of Claim ~~22~~¹ wherein the silver is introduced to the water using a silver-containing ion exchange column.

¹⁴

~~28~~. (new): The method of disinfecting water of Claim ~~22~~¹ wherein in addition to a virus, the water being treated contains at least one pathogen selected from the group consisting of bacteria, cyanobacteria, subviral pathogens, enterovirulent *Escherichia coli* group, algae, fungi, and protozoa.